

IN THE CLAIMS:

1. (Cancel) An insecticide, fungicide and fertilizer composition is produced by the process comprising of mixing, heating and reacting the following components:
 - (A) urea, in the amount of 50 to 100 parts by weight;
 - (B) nitrogen containing compound that condensates and/or react with urea selected from the group consisting of urea, melamine, melamine cyanurate, cyamelide, guanidine, cyanoguanidine, dicyandiamide aminoguanidine, amine, polyamine, thiourea, ammonia and mixtures thereof, in the amount of 10 to 300 parts by weight;
 - (C) water, in the amount of 10 to 40 parts by weight based on 100 parts by weight of urea;
 - (D) salt forming compounds selected from the group consisting of phosphorus containing compounds, boron containing compounds, boron-phosphate containing compounds, sulfur containing compounds, alkali metal hydrogen phosphates, alkaline earth metal hydrogen phosphate compounds and mixtures thereof, in the amount of 1 to 300 parts by weight;
 - (E) filler, in the amount of 1 to 300 parts by weight;components A and B are first reacted to produce an amino condensation compound, then component C is added, mixed and reacted, thereby producing a partially hydrolyzed amino condensation compound, then component D is added and reacted thereby producing a partially hydrolyzed amino salt composition, and then component E is added and mixed.
2. (Cancel) An insecticide, fungicide and fertilizer composition of Claim 1 wherein the nitrogen containing compound that will condensate and/or react with isocyanic acid and/or cyanic acid, produced by heating urea, is selected from the group consisting of urea, amino compounds, amines, polyamines, urea derivatives, thiourea, thiourea derivatives, guanidine carbonate, urea carbonates, ammonium carbamic acid, ammonium bicarbonate and mixtures thereof, in an amount of 10 to 300 part by weight.
3. (Cancel) The insecticide, fungicide and fertilizer composition of Claim 1 wherein the salt forming compounds are selected from the group consisting of phosphorus containing compounds, boron containing compounds, boron-phosphate containing compounds and

sulfur containing compounds, and alkali metal compounds and alkaline earth metal compounds, in the amount of 0 to 300 parts by weight.

4. (Cancel) The insecticide, fungicide and fertilizer composition of Claim I wherein

the filler is selected from the group consisting of urea, melamine, dicyandiamide, melamine cyanurate, amino phosphates, aminopolyphosphates, aminoplasts, phenoplasts, powdered synthetic resins, sawdust, carbohydrates, ammonium sulfate, ammonium phosphate, amino phosphates, potassium phosphate, amino sulfates, silica, alkali metal silicates, alkaline earth metal silicates, metals, metal silicates, metaloxides, metal carbonates, metal sulphates, metal phosphates, metal borates, potassium hydrogen phosphate and mixtures thereof, in an amount 1 to 300 parts by weight,

5. (Cancel) An insecticide, fungicide and fertilizer composition wherein the partially hydrolyzed amino condensation compound is a partially hydrolyzed urea ammonium carbamate condensation compound, produced by the process comprising of mixing, heating and reacting the following components:

(A) urea, in the amount of 50 to 100 parts by weights;

(B) nitrogen containing compound, consisting of urea and ammonium carbamate, in the amount of 10 to 300 parts by weight;

(C) water, in the amount of 10 to 40 parts by weight based on 100 parts by weight of urea;

(D) salt forming compounds, selected from the group consist of phosphorus containing compounds, boron containing compounds, boron-phosphate containing compounds, sulfur containing compounds, alkali metal hydrogen phosphate compounds, alkaline earth metal hydrogen phosphate compounds and mixtures thereof, in the amount of 1 to 300 parts by weight;

(E) filler, in the amount of 1 to 300 parts by weight;

components A and B are first reacted to produce an amino condensation compound, then component C is added, mixed and reacted, thereby producing a partially hydrolyzed amino salt composition, then component D is added and reacted thereby producing a partially hydrolyzed amino salt composition and then component E is added and mixed.

6. (Currently amended) The insecticide, fungicide and fertilizer composition is produced by the process ~~comprising~~ of mixing, heating and reacting the following components:

(A) urea, in the amount of 50 to 100 parts by weight;

(B) nitrogen containing compound that will react with urea, consisting of ~~urea and~~ urea sulfate, in the amount of 10 to 300 parts by weight;

(C) water, in the amount of 10 to 40 parts by weight based on 100 parts by weight of urea;

(D) salt forming compound, selected from the group consisting of phosphorus containing compounds, boron containing compounds, boron-phosphate containing compounds, sulfur containing compounds, alkali metal hydrogen phosphate compounds, alkaline earth metal hydrogen phosphate compounds and mixtures thereof, in an amount of 1 to 300 parts by weight;

(E) filler, in the amount of 1 to 300 parts by weight;

components A and B are first reacted by mixing then heating the components to above the melting point of urea and up to 160 degree C for .1 to 3 hours at ambient pressure to produce an amino condensation compound, then component C is added, mixed and heated to 100 degree C to 160 degree C for .1 to 3 hours and reacted, thereby producing a partially hydrolyzed amino condensation compound, then component D is added, mixed and reacted thereby producing a partially hydrolyzed amino condensation salt composition and then component E is added and mixed.

7. (Cancel) The insecticide, fungicide and fertilizer composition of Claim 1 wherein the partially hydrolyzed amino condensation compound is a partially hydrolyzed urea-dicyandiamide condensation compound.

8. (Cancel) The insecticide, fungicide and fertilizer composition of Claim 1 wherein the salt forming compound is a phosphorus containing compounds that reacts with the partially hydrolyzed amino condensation compound and utilized as the partially hydrolyzed amino condensation composition.

9. (Cancel) The insecticide, fungicide and fertilizer composition of Claim 8 wherein the phosphorus containing compound is an acidic phosphorus compound.

10. (Cancel) The insecticide, fungicide and fertilizer composition of Claim 9 wherein the phosphorus

containing compound is an organic phosphorus containing compound.

11. (Cancel) The insecticide, fungicide and fertilizer composition of Claim I wherein the partially hydrolyzed amino condensation composition is urea-guanidine condensation compound.
12. (Cancel) The insecticide, fungicide and fertilizer composition of Claim 10 wherein the organic phosphorus compound is organic phosphate.
13. (Cancel) The insecticide, fungicide and fertilizer composition of claim I wherein the water is added to the urea before heating.
14. (Cancel) The insecticide, fungicide and fertilizer composition of Claim 9 wherein the acidic phosphorus compound is phosphoric acid.
15. (Currently and previously amended) A method for producing insecticide, fungicide and fertilizer compositions consisting of partially hydrolyzed amino condensation composition produced by the method ~~comprising~~ of mixing, heating and reacting the following components;
 - (A) urea, in the amount of 50 to 100 parts by weight;
 - (B) nitrogen containing compound that condensates and/or react with urea selected from the group consist of urea, biuret, melamine, melamine cyuanurate, cyanurate, guanidine, cyanoguanidine, aminoguanidine, amine, polyamine, thiourea, dicyandiamide, ammonia and mixtures thereof, in an amount of 10 to 300 parts by weight;
 - (C) water, in the amount of 10 to 40 parts by weight;
 - (D) salt forming compound, selected from the group consisting of phosphorus containing compounds. boron containing compounds. boron-phosphorus containing compounds, sulfur containing compounds, alkali metal hydrogen phosphates compounds and mixtures thereof, in the amount of 1 to 300 parts by weight;
 - (E). filler, in the amount of 1 to 300 parts by weight;component A with itself or component A and B are first reacted by mixing then heating to above the melting point of urea and up to 160 degree C at ambient pressure for .1 to 3 hours to produce an amino condensation compound, then component C is added, mixed, heated to 100 degree C and up to 160 degree C at ambient pressure and water is reacted with -NH₂ radicals to form -COONH₄ salt radicals thereby producing a partially hydrolyzed amino condensation compound, then component D is added then mixed and/or reacted thereby producing a hydrolyzed amino condensation composition and then component E is added and mixed.
16. (Cancel) The method of Claim 15 wherein the partially hydrolyzed amino condensation composition is a partially hydrolyzed urea condensation compound having the general formula of:



wherein n is a number 1- 3 -and y is a number 1-8-.

17. (Cancel) The method of Claim 16 wherein the partially hydrolyzed amino condensation composition is a partially hydrolyzed urea-amino condensation compound having the general formula of:



wherein n is a number 1-3, y is a number 1-8 and z is a number 0-8.

18. (Cancel) The method of Claim 15 wherein the amino condensation composition is a partially hydrolyzed urea condensation compound.

19. (Canceled). The product produced by the method of Claim 16.

20. (Withdrawn) A fertilizer, fungicide and insecticide partially hydrolyzed amino condensation compound produced by reacting 100 parts by weight of urea with 10-40 parts by weight of water under reaction conditions.

21. (Currently amended) A method for producing insecticide, fungicide and fertilizer compositions consisting of partially hydrolyzed amino condensation composition produced by the method ~~comprising~~ of mixing, heating and reacting the following components;

(A) urea, in the amount of 50 to 100 parts by weight;

(B) nitrogen containing compound selected from the group consisting of ~~urea and~~ ammonium carbamate, in an amount of 10 to 300 parts by weight;

(C) water, in the amount of 10 to 40 parts by weight;

(D) salt forming compound, selected from the group consisting of phosphorus containing compounds, boron containing compounds, boron-phosphate containing compounds, sulfur containing compounds, alkali metal hydrogen phosphates, alkaline earth metal hydrogen phosphate compounds and mixtures thereof, in the amount of 1 to 300 parts by weight;

(E) filler, in the amount of 1 to 300 parts by weight;

component A and B are first reacted by mixing and heating to above the melting point of urea up to 160 degree C at ambient pressure for .1 to 3 hours thereby produce an amino condensation compound, then component C is added, mixed, heated to 100 degree C and

up to 160 degree C for .1 to 3 hours at ambient pressure and reacted by reacting the water

with -NH₂ radicals to produce -COONH₄ salt radicals thereby producing a partially

hydrolyzed amino condensation compound, then component D is added then mixed and/or reacted thereby producing a partially hydrolyzed urea condensation composition, and then component E is added and mixed.

22. (Currently amended) A method for producing insecticide, fungicide and fertilizer compositions consisting of partially hydrolyzed amino condensation composition produced by the method

~~comprising~~ of mixing, heating and reacting the following components;

(A) urea, in the amount of 50 to 100 parts by weight;

(B) nitrogen containing compound consisting of ~~of urea and~~ urea sulfate, in an amount of 10 to 300 parts by weight;

(C) water, in the amount of 10 to 40 parts by weight;

(D) salt forming compound, selected from the group consisting of phosphorus containing compounds, boron containing compounds, boron-phosphate containing compounds, sulfur containing compounds, alkali metal hydrogen phosphates and alkaline earth metal hydrogen phosphate compound and mixtures thereof, in the amount of 1 to 300 parts by weight;

(E) filler, in the amount of 1 to 300 parts by weight;

~~-component A with itself or- components A and B are first~~ mixed then heated to above the melting point of urea and up to 160 degree C for .1 to 3 hours at ambient pressure and reacted to produce an amino condensation compound, then component C is added, mixed, heated at 100 degree C and up to 160 degree C for .1 to 3 hours at ambient pressure and reacted by reacting the water with NH₂ radicals to produce -COONH₄ salt radicals thereby producing a partially hydrolyzed amino condensation compound, then component D is added then mixed and/or reacted thereby producing a partially hydrolyzed urea condensation composition, and then component E is added and mixed.

23. The method of claim 22 wherein the phosphorus containing compound is an inorganic phosphorus acid compound.

24. The method of claim 22 wherein the phosphorus containing compound is an organic phosphorus compound.